

INTERNATIONAL SEARCH REPORT

Internal Application No
PCT/DE2004/002492

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B21D43/05 B21D43/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B21K B21J B21D B656

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	US 2004/261488 A1 (LAUKE ANDREAS ET AL) 30 December 2004 (2004-12-30) paragraphs '0049! - '0057!; claim 13; figures 8-11	1,5,6
Y	EP 1 161 317 B (MUELLER WEINGARTEN AG) 12 December 2001 (2001-12-12) paragraphs '0020!, '0032!, '0033!; figures 1,5,6	1,4-6
Y	EP 0 435 417 A (KABUSHIKIKAISHA ORII) 3 July 1991 (1991-07-03) claim 1; figures 1,6	1,4-6
A	DE 100 42 991 A1 (MUELLER WEINGARTEN AG) 21 March 2002 (2002-03-21) cited in the application the whole document	1-3
-/-		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

22 March 2005

Date of mailing of the international search report

06/04/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 693 334 A (MASCHINENFABRIK MUELLER-WEINGARTEN AG; MUELLER WEINGARTEN AG) 24 January 1996 (1996-01-24) column 4, line 45; figures 18,18,31 column 14, lines 21,22; figure 38	1
A	US 1 835 579 A (WESTIN DANIEL B) 8 December 1931 (1931-12-08) page 2, lines 20-116; figures 4,5	1